

=> file caplus embase medline biosis jicst-e
FILE 'CAPLUS' ENTERED AT 15:58:38 ON 19 MAR 96
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 1996 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 15:58:38 ON 19 MAR 96
COPYRIGHT (C) 1996 Elsevier Science B.V. All rights reserved.

FILE 'MEDLINE' ENTERED AT 15:58:38 ON 19 MAR 96

FILE 'BIOSIS' ENTERED AT 15:58:38 ON 19 MAR 96
COPYRIGHT (C) 1996 BIOSIS(R)

FILE 'JICST-EPLUS' ENTERED AT 15:58:38 ON 19 MAR 96
COPYRIGHT (C) 1996 Japan Information Center of Science and Technology (JICST)

=> act git01/a
L18 (1)SEA FILE=REGISTRY ACETAMINOPHEN/CN
L19 7581 SEA FILE=CAPLUS L18 OR (ABENSANIL/B1 OR ACAMOL/B1 OR "ACE
L20 6775 SEA FILE=MEDLINE L18 OR (ABENSANIL/B1 OR ACAMOL/B1 OR "AC
L21 6959 SEA FILE=BIOSIS L18 OR (ABENSANIL/B1 OR ACAMOL/B1 OR "ACE
L22 15482 SEA FILE=EMBASE L18 OR (ABENSANIL/B1 OR ACAMOL/B1 OR "ACE
L23 741 SEA FILE=JICST-EPLUS L18 OR (ABENSANIL/B1 OR ACAMOL/B1 OR
L24 37538 SEA L18 OR (ABENSANIL/B1 OR ACAMOL/B1 OR "ACENOL (PHARMAC

=> s l24 and (color? or colour? or spectrophoto?)
L25 586 FILE CAPLUS
L26 436 FILE EMBASE
L27 266 FILE MEDLINE
L28 226 FILE BIOSIS
L29 32 FILE JICST-EPLUS

TOTAL FOR ALL FILES

L30 1546 L24 AND (COLOR? OR COLOUR? OR SPECTROPHOTO?)

=> s l30 and (assay? or analy? or detect? or analy?)
L31 352 FILE CAPLUS
L32 293 FILE EMBASE
L33 178 FILE MEDLINE
L34 137 FILE BIOSIS
L35 21 FILE JICST-EPLUS

TOTAL FOR ALL FILES

L36 981 L30 AND (ASSAY? OR ANALY? OR DETECT? OR ANALY?)

=> s l36 and (arylacylamidase? or acylamidase?)
L37 7 FILE CAPLUS
L38 0 FILE EMBASE
L39 3 FILE MEDLINE
L40 0 FILE BIOSIS
L41 0 FILE JICST-EPLUS

TOTAL FOR ALL FILES

L42 10 L36 AND (ARYLACYLAМИДАСЕ? OR ACYLAМИДАСЕ?)

=> dup rem l42
PROCESSING COMPLETED FOR L42
L43 10 DUP REM L42 (0 DUPLICATES REMOVED)

=> d l43 bib,abs 1-10

L43 ANSWER 1 OF 10 CAPLUS COPYRIGHT 1996 ACS
AN 1994:182999 CAPLUS
DN 120:182999
TI Dry analytical element for acetaminophen
assay
IN Schaeffer, James Robert; Mauck, John Charles; Winterkorn, Robert
Francis; Arter, Thomas Charles
PA Eastman Kodak Co., USA
SO Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW

PI EP 580070 A2 940126
 DS R: CH, DE, FR, GB, LI, NL
 AI EP 93-111289 930714
 PRAI US 92-914915 920715

DT Patent
 LA English

AB A spectrophotometric assay for the detection of acetaminophen in aq. fluids can be carried out with a dry anal. element. The element comprises a support having .gtoreq.1 reagent layers contg. a first enzyme, aryl acylamidase, to cleave the amide bond of acetaminophen to produce p-aminophenol; a 2nd enzyme, e.g. ascorbic acid oxidase, to oxidize the p-aminophenol so that it couples to a water-sol. coupling agent to form a dye that is read at 670 nm. The assay is precise, accurate on serum and plasma samples, and relatively free from significant interferences. The element also allows measurement over a broad dynamic range. Laccase or tyrosinase may be used instead of ascorbic acid oxidase. Various compds. were tested as coupling agents for assay of acetaminophen. 1-(3-Sulfopropyl)-1,2,3,4-tetrahydroquinoline gave the best signal and was water-sol.

L43 ANSWER 2 OF 10 CAPLUS COPYRIGHT 1996 ACS

AN 1991:505330 CAPLUS

DN 115:105330

TI Paracetamol testing - the need for early diagnosis

AU Brett, Trevor; Mullen, Bill

CS Section Head Res. Dev., Cambridge Life Sci. PLC, Ely, CB7 4DT, UK

SO Lab. Pract. (1991), 40(4), 51-2

CODEN: LABPA3; ISSN: 0023-6853

DT Journal

LA English

AB In order to minimize the risk of hepatic damage occurring in patients presenting at the emergency room with paracetamol overdose, it is essential that the concn. of this drug in the serum is rapidly and accurately measured. Assays such as the Cambridge Life Sciences Paracetamol Assay Kit fulfill these criteria, enabling the clinician to safely administer life-saving antidotes. The method is based on the use of aryl acylamidase to cleave paracetamol and produce p-aminophenol which reacts with o-cresol in the presence of ammonia and copper ions at alk. pH to give a color which may be quantitated at 615 nm.

L43 ANSWER 3 OF 10 MEDLINE

AN 90210257 MEDLINE

TI Method for determining paracetamol in whole blood by chronoamperometry following enzymatic hydrolysis.

AU Bramwell H; Cass A E; Gibbs P N; Green M J

CS Centre for Biotechnology, Imperial College of Science, Technology & Medicine, London, UK..

SO ANALYST, (1990 Feb) 115 (2) 185-8.

Journal code: 40S. ISSN: 0003-2654.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

EM 9007

AB A method is proposed for the determination of paracetamol in whole undiluted blood, based on the enzymatic hydrolysis of the drug to p-aminophenol, which is then measured by chronoamperometry at a glassy carbon electrode. Hydrolysis of the paracetamol prior to electro-oxidation is shown to alleviate problems that arise from high background currents in the whole blood and so ensures a good linear correlation (r greater than 0.99) between the current and the paracetamol concentration. Recovery experiments and comparison with a reference method based on spectrophotometry suggest that the electrochemical assay only measures that proportion of paracetamol that is not bound to serum albumin.

L43 ANSWER 4 OF 10 CAPLUS COPYRIGHT 1996 ACS

* <Arti Shah- STIC Searcher-308-4259 > *

AN 1990:73355 CAPLUS
 DN 112:73355
 TI Method, composition, and test device for the determination of anilides
 IN Fernandez de Castro, Aurora; Gupta, Surendra Kumar; Shantz, Steven Michael
 PA GDS Technology, Inc., USA
 SO PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 PI WO 8903888 A1 890505
 DS W: AU, DK, FI, JP, NO, SU
 RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
 AI WO 88-US3739 881024
 PRAI US 87-116169 871028
 DT Patent
 LA English
 AB Detection or detn. of an anilide, esp. acetaminophen, uses a compn. contg. (1) arylacylamidase (EC 3.5.1.13); (2) an org. compd. contg. alc. and/or arom. groups, e.g. o-cresol; and (3) an oxidant/catalytic agent, e.g. periodate, for accelerating color development. The alc. and/or arom. group-contg. compd. both stabilizes the enzyme and forms a colored product with aniline. A method for stabilization of arylacylamidase and a filter paper test device for anilide detection are described. The enzymic hydrolysis of the anilide and the color development step can be done simultaneously with one reagent. The method and compn. are easily used with one-channel automated instrumentation. To 2 parts of arylacylamidase (3.5 units/L) contg. 3.75 mM o-cresol in 50 mM carbonate buffer (pH 8.0) was added 1 part of a soln. contg. 3.75 mM IO₄⁻ in 50 mM carbonate buffer (pH 9.6). To 2 mL of the combined reagent was added 50 .mu.L of serum contg. 50-400 mg acetaminophen/L. The rate of color prodn. at 615 nm was measured. There was a linear relationship between the rate of color formation and acetaminophen concn. The decline of arylacylamidase activity was detd. in the absence and presence of a variety of concns. of o-cresol. In one test at pH 8.0 and 37.degree., enzyme activity declined from 13.5 to 1.87 units/mL in 14 days, while activity in the presence of 2.8 mM o-cresol declined from 13.6 to 11.8 units/mL in the same period.

L43 ANSWER 5 OF 10 MEDLINE

AN 88105197 MEDLINE
 TI Analytical reviews in clinical chemistry: methods for the estimation of salicylate and paracetamol in serum, plasma and urine.
 AU Stewart M J; Watson I D
 CS Department of Biochemistry, Royal Infirmary, Glasgow, UK..
 SO ANNALS OF CLINICAL BIOCHEMISTRY, (1987 Nov) 24 (Pt 6) 552-65. Ref: 116
 Journal code: 52Y. ISSN: 0004-5632.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, ACADEMIC)
 LA English
 FS Priority Journals
 EM 8804

L43 ANSWER 6 OF 10 MEDLINE

AN 85146793 MEDLINE
 TI Development of an enzyme-based assay for acetaminophen.
 AU Hammond P M; Scawen M D; Atkinson T; Campbell R S; Price C P
 SO ANALYTICAL BIOCHEMISTRY, (1984 Nov 15) 143 (1) 152-7.
 Journal code: 4NK. ISSN: 0003-2697.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals

EM 8506

AB A new and novel method for determination of serum acetaminophen is described. The assay, which can be completed in less than 5 min, is based on the enzymatic hydrolysis of acetaminophen, with subsequent colorimetric detection of the aminophenol so produced. Various possible means of aminophenol estimation are described; the final reaction conditions have been optimized for maximum sensitivity and assay speed. This assay compares favorably with other available procedures; it requires only small sample volumes; it is rapid, simple, and highly specific for the parent drug; and it requires neither great technical ability nor expensive instrumentation.

L43 ANSWER 7 OF 10 CAPLUS COPYRIGHT 1996 ACS

AN 1984:29241 CAPLUS

DN 100:29241

TI Enzymic method for acetaminophen adapted to a centrifugal analyzer

AU Hallworth, Michael J.

CS Dep. Biochem., West. Infir., Glasgow, G11 6NT, UK

SO Clin. Chem. (Winston-Salem, N. C.) (1983), 29(12), 2123-4

CODEN: CLCHAU; ISSN: 0009-9147

DT Journal

LA English

AB A method is described for adapting an enzymic-hydrolysis com. kit for the detn. of acetaminophen (I) [103-90-2] in human biol. fluids to the Cobas-Bio centrifugal analyzer. A combined color reagent is prep'd. by mixing o-cresol with ammoniacal CuSO₄. The enzyme reagent (bacterial aryl acylamidase) is reconstituted according to instructions in the kit. Other conditions for the automated anal. are described. In comparison with the manual I method (coeff. of variation 3.1-3.4%), the automated technique gave between-run coeffs. of variation of 2.00-2.19%. The detection limit for the automated assay was 0.02 mM. The method was judged to be highly specific, yielding improved performance at reduced cost.

L43 ANSWER 8 OF 10 CAPLUS COPYRIGHT 1996 ACS

AN 1984:30537 CAPLUS

DN 100:30537

TI Collaborative trial of an enzyme-based assay for the determination of paracetamol in plasma

AU Brown, Stanley S.; Campbell, R. Stewart; Price, Christopher P.; Rambohol, Elizabeth; Widdop, Brian; Barbour, Heather M.; Roberts, John G.; Burnett, David; Atkinson, Tony; et al.

CS Div. Clin. Chem., MRC Clin. Res. Cent., Harrow/Middx., HA1 3UJ, UK

SO Ann. Clin. Biochem. (1983), 20(6), 353-9

CODEN: ACBOBU; ISSN: 0004-5632

DT Journal

LA English

AB A method for detg. paracetamol (I) [103-90-2] concns. in human plasma is described and compared with gas-liq. chromatog. (GC) and a high-performance liq. chromatog. (HPLC) methods. To the plasma sample was added aryl acylamidase followed by the color reagent (ammoniacal Cu cresol reagent) and the absorbance was read after 3 min at 615 nm. The microbial aryl amidase used had a high degree of specificity for I, the chem. reaction of the p-aminophenol so formed, with cresol, to produce an indophenol dye is also highly specific. No drugs commonly found in proprietary I preps. interfere with the enzymic assay or give a false color reaction.

Furthermore, no interferences were obsd. with several common, but unrelated drugs, which are sometimes taken in multiple overdosage. In terms of sensitivity, linearity, precision, and accuracy, the enzymic assay was closely comparable to established HPLC and GC methods over the range 0-2.5 mmol/L. Thus, the range of plasma I concns. usually found in poisoned patients can be covered without sample diln.

L43 ANSWER 9 OF 10 CAPLUS COPYRIGHT 1996 ACS

* <Arti Shah- STIC Searcher-308-4259> *

AN 1982:576751 CAPLUS
DN 97:176751
TI Estimation of N-acylated primary aromatic amines
IN Hammond, Peter Michael; Price, Christopher Philip; Scawen, Michael
Denis; Atkinson, Anthony
PA Public Health Laboratory Service Board, UK
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
PI EP 53470 A1 820609
DS R: BE, CH, DE, FR, IT, NL, SE
AI EP 81-305551 811124
PRAI GB 80-38634 801202
DT Patent
LA English
AB A method for the detn. of anilides in biol. fluids via enzymic hydrolysis of the anilide to an aniline and estg. the quantity of the aniline spectrophotometrically is disclosed. Thus, samples of serum contg. paracetamol [103-90-2] were incubated with aryl acylamidase soln. To 1 mL of cresol soln. was added ammoniacal Cu sulfate soln; the enzymically hydrolyzed serum soln. was then added to the cresol/Cu sulfate/NH3 mixt. The absorbance of the soln. was measured at 615 nm. Diagnostic kits for the anilide estn. were described.

L43 ANSWER 10 OF 10 CAPLUS COPYRIGHT 1996 ACS
AN 1981:202351 CAPLUS
DN 94:202351
TI Enzyme-based paracetamol estimation
AU Hammond, Peter M.; Scawen, Michael D.; Price, Christopher P.
CS Diagnostic Reagents Lab., Cent. Appl. Microbiol. Res., Salisbury,
SP4 0JG, Engl.
SO Lancet (1981), 1(8216), 391-2
CODEN: LANCAO; ISSN: 0023-7507
DT Journal
LA English
AB Paracetamol (I) [103-90-2] in blood serum was converted to aminophenol (II) by enzymic hydrolysis with aryl acylamidase; II was reacted with cresol to form an indophenol dye which was measured colorimetrically. The method was sensitive to I levels below those of therapeutic significance and was linear over the range 0-2.6 mmol/L (0-400 mg/L) original serum sample.

=> s l36 not l42
 L44 345 FILE CAPLUS
 L45 293 FILE EMBASE
 L46 175 FILE MEDLINE
 L47 137 FILE BIOSIS
 L48 21 FILE JICST-EPLUS

TOTAL FOR ALL FILES
 L49 971 L36 NOT L42

=> s l49 and (layer? or multilayer?)
 L50 47 FILE CAPLUS
 L51 37 FILE EMBASE
 L52 9 FILE MEDLINE
 L53 10 FILE BIOSIS
 L54 1 FILE JICST-EPLUS

TOTAL FOR ALL FILES
 L55 104 L49 AND (LAYER? OR MULTILAYER?)

=> dup rem
 ENTER L# LIST OR (END):l55
 PROCESSING COMPLETED FOR L55
 L56 83 DUP REM L55 (21 DUPLICATES REMOVED)

=> s l55 and (oxidiz? or oxida?)
 L57 2 FILE CAPLUS
 L58 3 FILE EMBASE
 L59 1 FILE MEDLINE
 L60 1 FILE BIOSIS
 L61 0 FILE JICST-EPLUS

TOTAL FOR ALL FILES
 L62 7 L55 AND (OXIDIZ? OR OXIDA?)

=> dup rem l62
 PROCESSING COMPLETED FOR L62
 L63 6 DUP REM L62 (1 DUPLICATE REMOVED)

=> d l63 bib,abs 1-6

L63 ANSWER 1 OF 6 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.DUPLICATE 1
 AN 94355197 EMBASE

TI [Thermic stabilities of paracetamol solution. Thin
 layer chromatography (TLC) - Ultraviolet
 spectrophotometry].

ESTABILIDADE TERMICA DO PARACETAMOL EM SOLUCAO:
 CROMATOGRAFIA EM CAMADA DELGADA (CCD) - ESPECTROFOTOMETRIA
 ULTRAVIOLETA.

AU Correa M.A.; Bueno J.H.F.
 CS Depto. de Farmacos e Medicamentos, Faculdade de Ciencias

Farmaceuticas, UNESP, 14801-902 - Araraquara, SP, Brazil

SO REV. CIENC. FARM., (1993-1994) 15/- (123-140).

ISSN: 0101-3793 CODEN: RFCFDE

CY Brazil

DT Journal

FS 029 Clinical Biochemistry

030 Pharmacology

037 Drug Literature Index

LA Portuguese

SL English; Portuguese

AB The interference practised by the products in degradation of
 paracetamol when there is the application of
 spectrophotometry UV is the main obstruction to the
 execution of studies of thermic stability. The application of
 chromatography in slender layer to the isolation of
 paracetamol, besides being the excessively hard to apply was
 satisfactory to the desired proposal. The type and extension of
 degradation suffered by paracetamol in solution suggest
 the convenient inclusion, in the formulations, of one system

antioxidant. This practice makes possible the blockage of the oxidation of p-aminophenol, produced by the hydrolytic degradation of paracetamol; this fact propitiated the diminution of the number of products of degradation in the medicine, making the use more secure. On the other hand, considering especially the methodological necessities of the present work, the presence of one antioxidant system facilitated the separation of paracetamol through the Thin Layer Chromatography and consequently optimized its quantification by Spectrophotometry UV during the study of thermic stability.

The formulation proposed revealed excellent stability.

L63 ANSWER 2 OF 6 CAPLUS COPYRIGHT 1996 ACS

AN 1988:201304 CAPLUS

DN 108:201304

TI A poly(vinyl alcohol)-based strip with improved peroxidase stability for colorimetric testing

IN Eikenberry, Jon Nathan

PA Eastman Kodak Co., USA

SO Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

PI EP 252750 A1 880113

DS R: CH, DE, FR, GB, LI

AI EP 87-306107 870710

PRAI US 86-884249 860710

DT Patent

LA English

AB An anal. compn., which may be incorporated in a test element, has a peroxidase-labeled ligand analog distributed in a water-sol. binder comprising .gtoreq.50 wt.% poly(vinyl alc.). As a result, the stability of peroxidase is improved prior to use. A test element for digoxin detn. was prep'd. which comprised: (1) a poly(ethylene terephthalate) support layer; (2) a reagent layer contg. hardened gelatin, surfactant, buffer, .alpha.-glycerophosphate oxidase, and 4-hydroxyacetanilide; (3) a water-sol. layer contg.

poly(vinyl alc.), digoxin-peroxidase conjugate, surfactant, and buffer; (4) a spreading layer contg. polymer beads, adhesive, 2-(3,5-dimethoxy-4-hydroxyphenyl)-4,5-bis(4-dimethylaminophenyl)imidazole leuco dye, *Staphylococcus aureus* coated with anti-digoxin antibodies, surfactant, and antioxidant.

Digoxin was detd. by applying 10 .mu.L of a liq. sample to the test element, incubating, and applying 10 .mu.L of a wash fluid contg. .alpha.-glycerophosphate to the same area to wash uncomplexed ligand analog horizontally away from complexed ligand analog, and to initiate the enzymic reactions which produce a detectable dye. Complexed ligand analog was then detd. by monitoring the reflectance at 670 nm in the center of the spotted area. The digoxin concn. was inversely related to the rate of dye formation.

L63 ANSWER 3 OF 6 MEDLINE

AN 88166398 MEDLINE

TI Metabolism of bepridil in laboratory animals and humans.

AU Wu W N; Hills J F; Chang S Y; Ng K T

CS Department of Drug Metabolism, McNeil Pharmaceutical, Spring House, PA 19477..

SO DRUG METABOLISM AND DISPOSITION, (1988 Jan-Feb) 16 (1) 69-77.

Journal code: EBR. ISSN: 0090-9556.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 8807

AB The metabolism of bepridil was studied in the Swiss mouse, Sprague-Dawley rat, New Zealand rabbit, rhesus monkey, and healthy human. After oral administration of bepridil-14C-hydrochloride, recoveries of total radioactivity in urine and feces (7 days) were greater than or equal to 80% of the administered dose in all five species. Bepridil and 25 metabolites have been isolated by HPLC and TLC from representative plasma, urine, and fecal extract pools from all species and identified on the basis of TLC, HPLC, and mass

spectrometry. The identified metabolites explained 60-99% of the total radioactivity in each sample for rabbit plasma, in which only 17% of the total radioactivity was characterized. Metabolic pathways involving oxidative reactions at seven sites on the bepridil molecule are proposed for each species. Metabolite formation in the five species is described by four interrelated pathways. The metabolic pathway involving aromatic hydroxylation followed by N-dealkylation, N-debenzylation, and N-acetylation was important in all species. Major metabolites produced by this pathway included 4-hydroxy(at N-phenyl)-bepridil (Ia), N-benzyl-4-amino-phenol (IV), and N-acetyl-4-aminophenol (V). Metabolite Ia was isolated in significant amounts (greater than or equal to 5% of sample) in all fecal and urine samples except rat urine. Metabolite IV was a major circulating metabolite in all species and a major urinary metabolite in humans. Metabolite V was present in significant quantities in urine in all species except rabbit. Other important pathways involved primary reactions such as iso-butyyl hydroxylation, pyrrolidine ring oxidation, and N-debenzylation.(ABSTRACT TRUNCATED AT 250 WORDS)

L63 ANSWER 4 OF 6 CAPLUS COPYRIGHT 1996 ACS

AN 1983:533207 CAPLUS

DN 99:133207

TI Colorimetric determination of acetaminophen

AU Gupta, Ram N.; Pickersgill, Robin; Stefanec, Maria

CS Dep. Lab. Med., St. Joseph's Hosp., Hamilton, ON, Can.

SO Clin. Biochem. (Ottawa) (1983), 16(4), 220-1

CODEN: CLBIAS; ISSN: 0009-9120

DT Journal

LA English

GI



AB A colorimetric procedure for the emergency detn. of acetaminophen (I) [103-90-2] in plasma is described. Acetaminophen is extd. into Et acetate at physiol. pH to eliminate salicylate, amino acids, and other polar compds. The ext. is treated with Fuller's earth to remove bilirubin and with anhyd. sodium sulfate to remove traces of aq. droplets contg. proteins or uric acid. The ext. is back-extd. into carbonate and simultaneously treated with Folin-Ciocalteau reagent to produce a stable color complex. The absorbance is detd. at 660 nm. The extrn. efficiency is about 92%. Any compd. which is present in the final carbonate layer and is readily oxidizable can produce false pos. results for acetaminophen.

L63 ANSWER 5 OF 6 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 82057533 EMBASE

TI Reversed-phase chromatography of urinary metabolites of paracetamol using ion suppression and ion pairing.

AU Hart S.J.; Tontodonati R.; Calder I.C.

CS Dept. Org. Chem., Univ. Melbourne, Parkville, Vic. 3052, Australia

SO J. CHROMATOGR., (1981) 225/2 (387-405).

CODEN: JOCRAM

CY Netherlands

LA English

AB High-performance liquid chromatography (HPLC) has proven particularly useful for the study of paracetamol metabolism. Two alternative methods were developed using reversed-phase C18 columns. A rapid ion suppression technique was used for the analysis of free paracetamol, paracetamol mercapturic acid and cysteine conjugate in urine samples obtained from isolated perfused rat kidney preparations.

which has conveniently demonstrated the oxidative metabolic capacity of the kidney towards paracetamol. A somewhat longer, but higher resolution, ion-pair HPLC procedure was developed for the analysis of paracetamol metabolites in urine samples from experimental animals. The ion-pairing solvent was composed of tetrabutylammonium hydroxide, Tris and EDTA buffered to pH 7.2 with phosphoric acid. Gradient programming was further used to enhance resolution. Using this system two new metabolites, the sulphate and glucuronide conjugates of 3-thiomethyl-paracetamol were detected and routinely determined along with other known paracetamol metabolites, viz. free paracetamol, paracetamol sulphate, glucuronide, mercapturic acid, and cysteine conjugates, 3-methoxyparacetamol glucuronide and sulphate, p-aminophenol and its O-glucuronide and O-sulphate conjugates. Phenolic O-substituted glucuronide and sulphate conjugates of N-hydroxyparacetamol were also separated.

L63 ANSWER 6 OF 6 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 79070709 EMBASE

TI Conjugation of various drugs in isolated hepatocytes.

AU Andersson B.; Berggren M.; Moldeus P.

CS Dept. Forens. Med., Karolinska Inst., Stockholm, Sweden

SO DRUG METAB. DISPOSITION, (1978) 6/6 (611-616).

CODEN: DMDSAI

CY United States

LA English

AB Acetaminophen, 4-methylumbelliferon, harmol, phenolphthalein and 2-naphthol were conjugated with both sulfate and glucuronic acid in isolated hepatocytes. At low concentrations of acetaminophen, 4-methylumbelliferon, and harmol the primary metabolite formed was the sulfate conjugate, whereas glucuronide formation became more important at higher substrate concentrations. Phenolphthalein and 2-naphthol were mainly conjugated with glucuronic acid even at low substrate concentrations. Only the conjugation of 2-naphthol was increased after treatment of the animals with 3-methylcholanthrene or phenobarbital. The conjugation of 4-methylumbelliferon was even lower in hepatocytes isolated from phenobarbital-treated rats as compared with controls. Glucuronidation of 4-methylumbelliferon and harmol proceeded at similar rates in isolated hepatocytes and native microsomes supplemented with UDP-glucuronic acid, suggesting UDP-glucuronosyltransferase to be latent also in intact cells. The oxidation of harmine to harmol in hepatocytes isolated from control rats was slow and almost all the formed harmol was conjugated with sulfate. Phenobarbital treatment of the rats stimulated the production of harmol in hepatocytes, resulting in an increased proportion being conjugated with glucuronic acid. Also in these cells very small amounts of unconjugated harmol accumulated. Salicylamide inhibited sulfate conjugation of harmol but had no effect on glucuronidation. In the presence of salicylamide the oxidation product, harmol, was predominantly conjugated with glucuronic acid.

=> s l36 not l62
 L64 350 FILE CAPLUS
 L65 290 FILE EMBASE
 L66 177 FILE MEDLINE
 L67 136 FILE BIOSIS
 L68 21 FILE JICST-EPLUS

TOTAL FOR ALL FILES
 L69 974 L36 NOT L62

=> s l55 not l62
 L70 45 FILE CAPLUS
 L71 34 FILE EMBASE
 L72 8 FILE MEDLINE
 L73 9 FILE BIOSIS
 L74 1 FILE JICST-EPLUS

TOTAL FOR ALL FILES
 L75 97 L55 NOT L62

=> dup rem l75
 PROCESSING COMPLETED FOR L75
 L76 77 DUP REM L75 (20 DUPLICATES REMOVED)

=> d l76 bib 1-77

L76 ANSWER 1 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1995:730351 CAPLUS
 DN 123:153022
 TI Qualitative analysis of psychotropic drugs by capillary
 gas chromatography using NPD
 AU Shimano, Masako; Inoue, Yoko; Matsuzaki, Ryuichi; Inde, Susumu;
 Yagasaki, Kunihide
 CS Tokyo Customs Laboratory, Tokyo, 108, Japan
 SO Kanzei Chuo Bunsekishoho (1995), 34, 87-92
 CODEN: KCBSDI; ISSN: 0286-1933
 DT Journal
 LA Japanese

L76 ANSWER 2 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS
 AN 94:443354 BIOSIS
 DN 97456354
 TI Analysis of drugs and poisons in a hospital toxicology
 laboratory.
 AU Simpson D; Jarvie D R
 CS Dep. Clin. Biochem., Royal Infirmary, Univ. Edinburgh, Edinburgh EH8
 9YW, UK
 SO Ciencia e Cultura (Sao Paulo) 45 (6). 1994. 386-389. ISSN: 0009-6725
 LA English

L76 ANSWER 3 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1995:458887 CAPLUS
 DN 122:299214
 TI New methods for determination of active compounds present in
 multicomponent antihistaminic pharmaceuticals
 AU Tuszynska, Ewa; Podolska, Marzena; Kwiatkowska-Puchniarz, Barbara;
 Kaniewska, Teresa
 CS Dep. Chem. Anal., Drug Inst., Warsaw, 00725, Pol.
 SO Acta Pol. Pharm. (1994), 51(4-5), 317-23
 CODEN: APPHAX; ISSN: 0001-6837
 DT Journal
 LA English

L76 ANSWER 4 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 1
 AN 1994:541886 CAPLUS
 DN 121:141886
 TI Determination of paracetamol, dextropropoxyphene
 hydrochloride and dicyclomine hydrochloride in pharmaceutical
 formulations by quantitative thin layer chromatography
 (part - II)

AU Parimoo, P.; Mounisswamy, M.; Bharathi, A.; Lakshmi, N.
 CS Dep. Pharm., Birla Inst. Technol. Sci., Pilani, 333 031, India
 SO Indian Drugs (1994), 31(5), 211-14
 CODEN: INDRBA; ISSN: 0019-462X
 DT Journal
 LA English

L76 ANSWER 5 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
 AN 94160937 EMBASE

TI Application of ion pair complexes of some acid-base indicators in pharmaceutical analysis. I. Spectrophotometric microdetermination of L-hyoscine butyl bromide by its ion pair complex with methyl orange.

AU Issopoulos P.B.; Pavlou-Zervou E.
 CS Laboratory of Analytical Chemistry, Dept. of Inorganic/Analytical Chem., University of Ioannina, GR-451 10 Ioannina, Greece
 SO FARMACO, (1994) 49/3 (205-210).
 ISSN: 0014-827X CODEN: FRMCE8
 CY Italy
 DT Journal
 FS 037 Drug Literature Index
 LA English
 SL English

L76 ANSWER 6 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
 AN 94145691 EMBASE

TI Estimation of oxyphenbutazone and ibuprofen in presence of paracetamol and dextropropoxyphene in dosage forms by quantitative thin layer chromatography (Part 1).

AU Parimoo P.; Bharathi A.; Shahajan M.
 SO INDIAN DRUGS, (1994) 31/4 (139-143).
 ISSN: 0019-462X CODEN: INDRBA
 CY India
 DT Journal
 FS 037 Drug Literature Index
 LA English
 SL English

L76 ANSWER 7 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
 AN 94181299 EMBASE

TI Selective determination of nitrendipine and nimodipine in pharmaceutical dosage by high performance thin layer chromatography.
 AU Shinde V.M.; Desai B.S.; Tendolkar N.M.
 CS Analytical Laboratory, Institute of Science, 15 Madam Cama Road, Bombay-400 032, India
 SO INDIAN DRUGS, (1994) 31/3 (119-121).
 ISSN: 0019-462X CODEN: INDRBA
 CY India
 DT Journal
 FS 037 Drug Literature Index
 LA English
 SL English

L76 ANSWER 8 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS
 AN 93:404287 BIOSIS
 DN BR45:63112

TI DEVELOPMENT OF A MULTILAYERED COLORIMETRIC ASSAY FOR SERUM ACETAMINOPHEN.
 AU ARTER T; DYCHKO D; SCHAEFFER J; WINTERKORN R
 CS CLIN. DIAGNOSTICS DIV., EASTMAN KODAK CO., ROCHESTER, NY 14650, USA.
 SO 45TH NATIONAL MEETING OF THE AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY, INC., NEW YORK, NEW YORK, USA, JULY 11-15, 1993. CLIN CHEM 39 (6). 1993. 1230. CODEN: CLCHAU ISSN: 0009-9147
 DT Conference
 LA English

L76 ANSWER 9 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1994:291560 CAPLUS
 DN 120:291560

TI Forensic toxicological application of TOXI-LAB screening for * <Arti Shah- STIC Searcher-308-4259> *

biological specimens in autopsy cases and emergency cases
 AU Nishigami, Jun; Ohshima, Tohru; Takayasu, Tatsunori; Kondo, Toshikezu; Lin, Ziqing; Nagano, Taizo
 CS Sch. Med., Kanazawa Univ., Kanazawa, 920, Japan
 SO Nippon Hoigaku Zasshi (1993), 47(5), 372-9
 CODEN: NHOZAX; ISSN: 0047-1887
 DT Journal
 LA Japanese

L76 ANSWER 10 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 2
 AN 1992:497401 CAPLUS
 DN 117:97401

TI A simplified TLC system for qualitative and semi-quantitative analysis of pharmaceuticals
 AU Flinn, P. E.; Kenyon, A. S.; Layloff, T. P.
 CS Div. Drug Anal., Food Drug Adm., St. Louis, MO, 63101-2045, USA
 SO J. Liq. Chromatogr. (1992), 15(10), 1639-53
 CODEN: JLCHD8; ISSN: 0148-3919
 DT Journal
 LA English

L76 ANSWER 11 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 3
 AN 1992:488999 CAPLUS
 DN 117:88999

TI TLC preparative purification of picrocrocin, HTCC and crocin from saffron
 AU Iborra, Jose Luis; Castellar, M. Rosario; Canovas, Manuel; Manjon, Arturo
 CS Fac. Cienc. Quim., Univ. Murcia, Murcia, 30001, Spain
 SO J. Food Sci. (1992), 57(3), 714-16, 731
 CODEN: JFDSAZ; ISSN: 0022-1147
 DT Journal
 LA English

L76 ANSWER 12 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 4
 AN 1992:650099 CAPLUS
 DN 117:250099

TI Methods for the analysis of the saffron metabolites crocin, crocetins, picrocrocin and safranal for the determination of the quality of the spice using thin-layer chromatography, high-performance liquid chromatography and gas chromatography
 AU Sujata, V.; Ravishankar, G. A.; Venkataraman, L. V.
 CS Autotrophic Cell Cult. Discip., Cent. Food Technol. Res. Inst., Mysore 570 013, India
 SO J. Chromatogr. (1992), 624(1-2), 497-502
 CODEN: JOCRAM; ISSN: 0021-9673
 DT Journal
 LA English

L76 ANSWER 13 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
 AN 92327876 EMBASE

TI Supervision of some drug prepares of several components by thin-layer chromatography in the pilot-plant laboratory (for preparing galenics) at Marosvasarhely.
 AU Nagy A.; Bartha J.; Nagy L.
 CS Marosvas. Gyogyszerellenorzo Lab., Marosvasarhely, Hungary
 SO GYOGYSZERESZET, (1992) 36/5 (279-282).
 ISSN: 0017-6036 CODEN: GYOGAI
 CY Hungary
 DT Journal
 FS 029 Clinical Biochemistry
 030 Pharmacology
 037 Drug Literature Index
 LA Hungarian
 SL English; Hungarian

L76 ANSWER 14 OF 77 MEDLINE
 AN 91269751 MEDLINE
 TI Comprehensive drug screening in urine using solid-phase extraction and combined TLC and GC/MS identification.
 * <Arti Shah- STIC Searcher-308-4259 > *

AU Lillsunde P; Korte T
 CS National Public Health Institute, Department of Biochemistry,
 Helsinki, Finland..
 SO JOURNAL OF ANALYTICAL TOXICOLOGY, (1991 Mar-Apr) 15 (2) 71-81.
 Journal code: K4R. ISSN: 0146-4760.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 9109

L76 ANSWER 15 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 90334789 EMBASE
 TI Determination of the components of analgesic mixtures using
 highperformance thin-layer chromatography.

AU El Sadek M.; El Shanawany A.; Aboul Khier A.; Rucker G.
 CS Faculty of Pharmacy, Zagazig University, Zagazig, Egypt
 SO ANALYST, (1990) 115/9 (1181-1184).
 ISSN: 0003-2654 CODEN: ANALAO

CY United Kingdom
 DT Journal
 LA English

L76 ANSWER 16 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 89122118 EMBASE
 TI Modern chromatographic procedures in systematic toxicological
 analysis.

AU De Zeeuw R.A.
 CS Department of Analytical Chemistry and Toxicology, University Centre
 for Pharmacy, NL-9713 AW Groningen, Netherlands
 SO J. CHROMATOGR., BIOMED. APPL., (1989) 488/1 (199-213).
 ISSN: 0378-4347 CODEN: JCBADL
 CY Netherlands
 DT Journal
 FS 040 Drug Dependence, Alcohol Abuse and Alcoholism
 052 Toxicology
 LA English

L76 ANSWER 17 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.DUPLICATE
 5

AN 90282488 EMBASE
 TI [Paracetamol. Chromatographic (TLC) studies of the
 semi-aqueous solutions and p-aminophenol interfering on
 spectrophotometric quantitative analysis].
 PARACETAMOL. ESTUDO CROMATOGRAFICO (CCD) DE SOLUÇOES
 SEMI-AQUOSAS E DEMONSTRACAO DA INTERFERENCIA DO P-AMINOFENOL SOBRE
 AS ANALISES QUANTITATIVAS REALIZADAS POR ESPECTROFOTOMETRIA U.V..

AU Correa M.A.; Hamilton Ferreira Bueno J.; Wakimoto Hanai L.
 CS Departamento de Farmacos e Medicamentos, Faculdade de Ciencias
 Farmaceuticas, UNESP, 14800 Araraquara, SP, Brazil
 SO REV. CIENC. FARM., (1989) 11/- (133-150).
 ISSN: 0101-3793 CODEN: RFCFDE
 CY Brazil
 DT Journal
 FS 029 Clinical Biochemistry
 LA Portuguese
 SL English

L76 ANSWER 18 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1989:90042 CAPLUS
 DN 110:90042

TI Evaluation of a multiple-variable thin-layer and
 reversed-phase thin-layer chromatographic scheme for the
 identification of basic and neutral drugs in an emergency toxicology
 setting

AU Harper, J. D.; Martel, Patricia A.; O'Donnell, C. Michael
 CS Toxi-lab, Inc., Irvine, CA, 92718, USA
 SO J. Anal. Toxicol. (1989), 13(1), 31-6
 CODEN: JATOD3; ISSN: 0146-4760
 DT Journal
 LA English

L76 ANSWER 19 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1988:487594 CAPLUS

DN 109:87594

TI Identification of some toxicologically important substances in biological fluids

AU Fartushnyi, A. F.; Muzhanovskii, E. B.; Sedov, A. I.

CS Donetsk Reg. Bur. Forensic Med. Expert., Donetsk, USSR

SO Farm. Zh. (Kiev) (1988), (3), 45-9

CODEN: FRZKAP; ISSN: 0367-3057

DT Journal

LA Ukrainian

L76 ANSWER 20 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1988:137962 CAPLUS

DN 108:137962

TI Separation and determination of romergan, diazepam, papaverine, and paracetamol from a complex mixture

AU Caproiu, Rodica; Tamas, Viorica

CS Inst. Cercet. Chim. Farm., Bucharest, Rom.

SO Rev. Chim. (Bucharest) (1987), 38(12), 1147-51

CODEN: RCBUAU

DT Journal

LA Romanian

L76 ANSWER 21 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1987:473660 CAPLUS

DN 107:73660

TI Determination of small quantities of sulfate (0-12 nmol) in serum, urine, and cartilage of the mouse

AU De Vries, Bernard J.; Vitters, Elly; Van den Berg, Wim; Schram, Dave; Van de Putte, Levinus B. A.

CS Dep. Rheumatol., Univ. Hosp. Sint Radboud, Nijmegen, 6525 GA, Neth.

SO Anal. Biochem. (1987), 163(2), 408-17

CODEN: ANBCA2; ISSN: 0003-2697

DT Journal

LA English

L76 ANSWER 22 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 88074788 EMBASE

TI Spectrophotometric determination of dipyrone, phenylbutazone and oxyphenbutazone by their hydrolysis and Schiff base formation with 4-dimethylaminobenzaldehyde.

AU Verma K.K.; Jain A.; Patel N.; Sanghi S.K.

CS Department of Chemistry, Rani Durgavati University, Jabalpur, India

SO FARMACO, ED. PRAT., (1987) 42/7 (185-192).

ISSN: 0014-827X CODEN: FRPPAO

CY Italy

DT Journal

LA English

L76 ANSWER 23 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1987:219691 CAPLUS

DN 106:219691

TI Utility of 7,7,8,8-tetracyanoquinodimethane and p-chloranilic acid in the qualitative and quantitative analysis of pentazocine

AU Abdel-Hamid, Mohamed E.; Mahrous, Mohamed S.; Abdel-Khalek, Magdi M.; Abdel-Salam, Mohamed A.

CS Fac. Pharm., Univ. Alexandria, Alexandria, Egypt

SO Egypt. J. Pharm. Sci. (1986), Volume Date 1984, 25(1-4), 291-301

CODEN: EJPSBZ; ISSN: 0301-5068

DT Journal

LA English

L76 ANSWER 24 OF 77 MEDLINE

AN 86289612 MEDLINE

TI [Use of spectral methods in the study of poisoning].

Prispevek k pouziti nekterych spektralnich metod pri vysetrovani intoxikaci.

AU Smysl B

SO SOUDNI LEKARSTVI, (1986 May) 31 (2) 26-9.

Journal code: UUT. ISSN: 0371-1854.

CY Czechoslovakia

DT Journal; Article; (JOURNAL ARTICLE)

LA Czech

FS Priority Journals

EM 8611

L76 ANSWER 25 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1986:103679 CAPLUS

DN 104:103679

TI Differentiating cocaine from other 'caine drugs and common adulterants by thin-layer chromatography

AU Bonicamp, Judith M.; Pryor, Lorie

CS Middle Tennessee Univ., Murfreesboro, TN, 37132, USA

SO J. Tenn. Acad. Sci. (1986), 61(1), 9-11

CODEN: JTASAG; ISSN: 0040-313X

DT Journal

LA English

L76 ANSWER 26 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1985:571325 CAPLUS

DN 103:171325

TI Determination of paracetamol in serum by HPTLC

AU Berner, G.; Staab, R.; Wagener, H. H.

CS Dolorgiet Arzneimittel, St. Augustin, D-5205, Fed. Rep. Ger.

SO Fresenius' Z. Anal. Chem. (1985), 321(6), 601-2

CODEN: ZACFAU; ISSN: 0016-1152

DT Journal

LA German

L76 ANSWER 27 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 85215577 EMBASE

TI Utility of 7,7,8,8-tetracyanoquinodimethane and p-chloranilic acid

in the qualitative and quantitative analysis of

pentazocine.

AU Abdel-Hamid M.E.; Mahrous M.S.; Abdel-Khalek M.M.; Abdel-Salam M.A.

CS Faculty of Pharmacy, University of Alexandra, Alexandria, Egypt

SO J. PHARM. BELG., (1985) 40/4 (237-243).

CODEN: JPBEAJ

CY Belgium

LA English

SL French; Dutch

L76 ANSWER 28 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 85187061 EMBASE

TI Detection of some beta adrenergic blocking drugs and their metabolites in urine by thin layer chromatography.

AU Bonicamp J.M.; Pryor L.

CS Department of Chemistry and Physics, Middle Tennessee State University, Murfreesboro, TN 37132, United States

SO J. ANAL. TOXICOL., (1985) 9/4 (180-182).

CODEN: JATOD3

CY United States

LA English

L76 ANSWER 29 OF 77 JICST-EPlus COPYRIGHT 1996 JICST

AN 850437276 JICST-EPlus

TI Studies on the quality of natural coloring matters. II.

Natural yellow colors extracted from gardenia fruit (Gardenia jasminoides Ellis) and colors found in commercial gardenia fruit extract color. Analysis of natural yellow colors by high performance liquid chromatography.

AU KAMIKURA MIEKO; NAKAZATO KEIKO

CS National Inst. of Hygienic Sciences

SO Shokuhin Eiseigaku Zasshi (Journal of the Food Hygienic Society of Japan), (1985) vol. 26, no. 2, pp. 150-159. Journal Code: G0622A

(Fig. 9, Tbl. 3, Ref. 8)

CODEN: SKEZAP; ISSN: 0015-6426

CY Japan

DT Journal; Article
LA Japanese
STA New

L76 ANSWER 30 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 85168234 EMBASE

TI Thin-layer chromatographic screening procedure for
undeclared synthetic drugs in Chinese herbal preparations.

AU Yuen S.; Lau-Cam C.A.
CS Food and Drug Administration, New York Regional Laboratory,
Brooklyn, NY 11232, United States
SO J. CHROMATOGR., (1985) 329/1 (107-112).
CODEN: JOCRAM
CY Netherlands
LA English

L76 ANSWER 31 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1985:172740 CAPLUS
DN 102:172740

TI Spectrophotodensitometric separation and analysis
of a mixture of phenol derivatives in several preparations of
antiinfluenza tablets

AU Supradja, Anom; Ibrahim, Slamet; Rusdi
CS Jurusan Farmasi, FMIPA, ITB, Bandong, Indonesia
SO Acta Pharm. Indones. (1984), 9(3), 122-31
CODEN: APINEK; ISSN: 0216-616X

DT Journal
LA Indonesian

L76 ANSWER 32 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 6

AN 1984:186776 CAPLUS

DN 100:186776

TI A convenient thin-layer chromatographic screening method
for acetaminophen in serum

AU Kelly, Raymond C.; Doshier, Lonnie A.; Rubin, H. Robert
CS Am. Bio-Sci. Lab., Van Nuys, CA, 91405, USA
SO J. Anal. Toxicol. (1984), 8(2), 54-8
CODEN: JATOD3; ISSN: 0146-4760

DT Journal
LA English

L76 ANSWER 33 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1983:517308 CAPLUS

DN 99:117308

TI More economical use of high-performance thin-layer plates
for chromatographic screening of illicit drug samples

AU Sundholm, E. G.
CS Natl. Lab. Forensic Sci., Linkoeping, S-581 01, Swed.
SO J. Chromatogr. (1983), 265(2), 285-91
CODEN: JOCRAM; ISSN: 0021-9673

DT Journal
LA English

L76 ANSWER 34 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 83097822 EMBASE

TI Evaluation of the prodrug potential of the sulfate esters of
acetaminophen and 3-hydroxymethyl-phenytoin.
AU Williams D.B.; Varia S.A.; Stella V.J.; Pitman I.H.
CS Sch. Pharm., Victorian Coll. Pharm., Parkville, Vic., Australia
SO INT. J. PHARM., (1983) 14/1 (113-120).
CODEN: IJPHDE
CY Netherlands
LA English

L76 ANSWER 35 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 7

AN 1983:607498 CAPLUS

DN 99:207498

TI A systematic laboratory approach for the identification of drugs in
presumably poisoned (overdosed) patients

AU Vasiliades, John
CS Dep. Pathol., Creighton Univ., Omaha, NE, 68131, USA

* <Arti Shah- STIC Searcher-308-4259 > *

SO J. Toxicol., Clin. Toxicol. (1983), 20(1), 23-46
 CODEN: JTCTDW; ISSN: 0731-3810

DT Journal
 LA English

L76 ANSWER 36 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1983:192840 CAPLUS
 DN 98:192840

TI Identification of drugs in biological fluids
 AU Vinet, Bernard
 CS Dep. Biochim., Hop. Notre-Dame, Montreal, PQ, H2L 4M1, Can.
 SO Ann. Biochim. Clin. Que. (1983), 22(1), 5-11
 CODEN: ABCQD2; ISSN: 0709-8502

DT Journal
 LA French

L76 ANSWER 37 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 8
 AN 1982:555813 CAPLUS
 DN 97:155813

TI A simple photometric method for determining aminophenazone and phenylbutazone
 AU Hornann, T.
 CS Leipzig, Ger. Dem. Rep.
 SO Pharmazie (1982), 37(6), 455-6
 CODEN: PHARAT; ISSN: 0031-7144

DT Journal
 LA German

L76 ANSWER 38 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1982:592641 CAPLUS
 DN 97:192641

TI Toxicological-chemical urine analysis after ingestion of phenacetin, paracetamol and aspirin-containing analgesics
 AU Kobbe, Katharina; Goenechea, S.
 CS Inst. Rechtsmed., Univ. Bonn, Bonn, D-5300, Fed. Rep. Ger.
 SO Beitr. Gerichtl. Med. (1982), 40, 341-5
 CODEN: BEGMA5; ISSN: 0067-5016

DT Journal
 LA German

L76 ANSWER 39 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
 AN 82172135 EMBASE

TI Differentiation of amphetamine and its major hallucinogenic derivatives using thin-layer chromatography.
 AU O'Brien B.A.; Bonicamp J.M.; Jones D.W.
 CS Anal. Syst., 23162 La Cadena Drive, Laguna Hills, CA 92653, United States
 SO J. ANAL. TOXICOL., (1982) 6/3 (143-147).
 CODEN: JATOD3
 CY United States
 LA English

L76 ANSWER 40 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1982:533671 CAPLUS
 DN 97:133671

TI Ferric chloride/hydrogen chloride/potassium iodide versatile wide application reagent
 AU Fiorese, F.; Vermuelen, G.; Turcotte, C.
 CS Stormville, NY, 12582, USA
 SO Subst. Alcohol Actions/Misuse (1982), 3(1-2), 47-59
 CODEN: SAAMDZ; ISSN: 0191-8877

DT Journal
 LA English

L76 ANSWER 41 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
 AN 82127516 EMBASE

TI [A combined TLC- and UV-screening procedure for commonly used hypnotics and sedatives with the exception of benzodiazepines].
 EIN KOMBINIERTES DC- UND UV-SCREENING-VERFAHREN FUR GEBRAUCHLICHE SCHLAF- UND BERUHIGUNGSMITTEL MIT AUSNAHME DER BENZODIAZEPINE.
 AU Schutz H.

CS Inst. Rechtsmed., Univ. Giessen, 6300 Giessen, Germany, Federal
Republic of
SO ARZTL. LAB., (1982) 28/2 (47-57).
CODEN: AELAAH
CY Germany, Federal Republic of
LA German
SL English

L76 ANSWER 42 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:503353 CAPLUS
DN 95:103353
TI Possibility of a (more) inexpensive construction of thin-
layer chromatographic analysis
AU Surborg, Karl Heinz
CS Pharm. Inst., Rheinischen Friedrich-Wilhelms-Univ., Bonn, Fed. Rep.
Ger.
SO Dtsch. Apoth.-Ztg. (1981), 121(27), 1414-16
CODEN: DAZEA2; ISSN: 0011-9857
DT Journal
LA German

L76 ANSWER 43 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:618933 CAPLUS
DN 95:218933
TI Study of saffron used in compound foods through identification of
its coloring, bittering and odorous principles
AU Corradi, C.; Micheli, G.; Sprocati, G.
CS Lab. Provinciale Igiene Profilassi Reparto Chim., Milan, Italy
SO Ind. Aliment. (Pinerolo, Italy) (1981), 20(9), 624, 627-9
CODEN: INALBB; ISSN: 0019-901X
DT Journal
LA Italian

L76 ANSWER 44 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:459998 CAPLUS
DN 95:59998
TI Detection of some natural dyes by polyamide thin-
layer chromatography
AU Kanada, Hiroshi; Warabi, Yumi; Sato, Eiichi; Yamashita, Taeko;
Takeshita, Ryozo
CS Yokohama Publ. Food Insp., Yokohama, 221, Japan
SO Eisei Kagaku (1981), 27(1), 50-5
CODEN: ESKGA2; ISSN: 0013-273X
DT Journal
LA English

L76 ANSWER 45 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS
AN 81:171363 BIOSIS
DN BA71:41355
TI CHANGES IN CROCIN AND GENIPOSIDE CONTENTS IN THE DEVELOPING
FRUITS OF GARDENIA-JASMINOIDES-F-GRANDIFLORA.
AU UMETANI Y; FUKUI H; TABATA M
CS FAC. PHARM. SCI., KYOTO UNIV., YOSHIDA, SAKYO, KYOTO.
SO YAKUGAKU ZASSHI 100 (9). 1980. 920-924. CODEN: YKKZAJ ISSN:
0372-7750
LA Japanese

L76 ANSWER 46 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:430488 CAPLUS
DN 95:30488
TI Ferric chloride/hydrogen chloride/potassium chloride versatile wide
application reagent
AU Fiorese, F.; Vermeulen, G.; Turcotte, C.
CS Div. Pathol., Silver Cross Hosp., Joliet, IL, USA
SO Toxicol. Aspects, [Int. Congr. Eur. Assoc. Poison Control Cent.],
9th (1980), 431-45. Editor(s): Kovatsis, Anastassios V. Publisher:
J. Michalopoulos, Salonika, Greece.
CODEN: 45TOAM
DT Conference
LA English

L76 ANSWER 47 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 80041948 EMBASE

TI Evidence for the involvement of N-acetyl-p-quinoneimine in acetaminophen metabolism.

AU Miner D.J.; Kissinger P.T.

CS Dept. Chem., Purdue Univ., West Lafayette, Ind. 47907, United States

SO BIOCHEM. PHARMACOL., (1979) 28/22 (3285-3290).

CODEN: BCPCA6

CY United Kingdom

LA English

L76 ANSWER 48 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 80071363 EMBASE

TI Rapid assay for determination of trimethoprim and sulfamethoxazole levels in serum by spectrofluorometry.

AU Lichtenwalner D.M.; Suh B.; Lorber B.; Sugar A.M.

CS Sect. Infect. Dis., Temple Univ. Hlth Sci. Cent., Philadelphia, Pa. 19140, United States

SO ANTIMICROB. AGENTS CHEMOTHER., (1979) 16/5 (579-583).

CODEN: AMACQ

CY United States

LA English

L76 ANSWER 49 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 9

AN 1979:179811 CAPLUS

DN 90:179811

TI A rapid ultraviolet spectrophotometric procedure for the microdetermination of theophylline (1,3-dimethylxanthine) in plasma or serum

AU Fellenberg, A. J.; Pollard, A. C.

CS Dep. Chem. Pathol., Adelaide Child. Hosp., North Adelaide, Aust.

SO Clin. Chim. Acta (1979), 92(2), 267-72

CODEN: CCATAR; ISSN: 0009-8981

DT Journal

LA English

L76 ANSWER 50 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 80070172 EMBASE

TI Use of ceric ammonium nitrate for detection of aromatic amines and phenolic compounds.

AU Kamtikar S.A.; Joglekar V.D.

CS Forens. Sci. Lab., State Maharashtra, Bombay - 400 008, India

SO J. ANAL. TOXICOL., (1979) 3/6 (265-266).

CODEN: JATOD3

CY United States

LA English

L76 ANSWER 51 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1979:433614 CAPLUS

DN 91:33614

TI A chromatography system for drug identification

AU McLinden, V. J.; Stenhouse, A. M.

CS Gov. Chem. Lab., Perth, Australia

SO Forensic Sci. Int. (1979), 13(1), 71-9

CODEN: FSINDR

DT Journal

LA English

L76 ANSWER 52 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1979:581552 CAPLUS

DN 91:181552

TI Identification of analgesic and antipyretic drugs by TLC

AU Munshi, G. K.; Bhattacharya, T. K.

CS Cent. Drugs Lab., Gov. India, Calcutta, India

SO Indian Drugs Pharm. Ind. (1978), 13(3), 43-4

CODEN: IDPIA6; ISSN: 0019-4638

DT Journal

LA English

L76 ANSWER 53 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 10

AN 1978:470645 CAPLUS

DN 89:70645

TI The identification of drugs in gastric washings following acute poisoning

AU Sharman, J. R.

CS Dep. Clin. Biochem., Christchurch Hosp., Christchurch, N. Z.

SO N. Z. J. Med. Lab. Technol. (1978), 32(1), 17-20

CODEN: NZJMAR; ISSN: 0028-8349

DT Journal

LA English

L76 ANSWER 54 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1981:36439 CAPLUS

DN 94:36439

TI Analysis of drugs. I. Determination of acetaminophen by thin-layer chromatog.- densitometry

AU Kanamori, Hisayuki

CS Hiroshima Prefect. Inst. Public Health, Hiroshima, Japan

SO Kenkyu Hokoku - Hiroshima-ken Eisei Kenkyusho (1978), (25), 12-16

CODEN: KHHKDP

DT Journal

LA Japanese

L76 ANSWER 55 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1977:578497 CAPLUS

DN 87:178497

TI Thin-layer chromatographic detection of important drugs based on the primary aromatic amino groups as key fragments

AU Ebel, Siegfried; Schuetz, Harald

CS Inst. Pharm. Chem., Philipps-Univ., Marburg, Ger.

SO Dtsch. Apoth.-Ztg. (1977), 117(40), 1605-9

CODEN: DAZEA2

DT Journal

LA German

L76 ANSWER 56 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 78211617 EMBASE

TI Analytical chemistry and signs of poisoning.

AU Maes R.A.A.

CS Fac. Wisk. Natuurwetensch., Rijksuniv. Utrecht, Netherlands

SO CHEM. WEEKBL., (1977) 73/DEC. (679-680).

CODEN: CHWEAP

CY Netherlands

LA Dutch

L76 ANSWER 57 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 78189121 EMBASE

TI Rapid identification of drugs in the overdosed patient.

AU Hackett L.P.; Dusci L.J.

CS State Hlth Lab., Perth, Australia

SO CLIN. TOXICOL., (1977) 11/3 (341-352).

CODEN: CTOXAO

CY United States

LA English

L76 ANSWER 58 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS

AN 78:125301 BIOSIS

DN BA65:12301

TI THIN LAYER CHROMATOGRAPHIC METHOD FOR THE QUANTITATIVE ANALYSIS OF PARACETAMOL N ACETYL-P-AMINO PHENOL IN BLOOD PLASMA.

AU GUPTA R N; ENG F; KEANE P M

CS DEP. LAB. MED., ST. JOSEPH'S HOSP., HAMILTON, ONT. CAN.

SO J CHROMATOGR 143 (1), 1977 112-114. CODEN: JOCRAM ISSN: 0021-9673

LA English

L76 ANSWER 59 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 78016936 EMBASE

TI 4 Acetaminophenoxyacetic acid, a new urinary metabolite of phenacetin.

AU Dittmann B.; Renner G.
 CS Pharmakol. Inst., Univ. Munchen, Germany, Federal Republic of
 SO NAUNYN-SCHMIED.ARCH.PHARM., (1977) 296/2 (87-89).
 CODEN: NSAPCC
 LA English

L76 ANSWER 60 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1977:473412 CAPLUS

DN 87:73412
 TI Densitometric determination of analgesics by measurement of in situ
 reflectance
 AU Wintersteiger, R.; Guebitz, G.
 CS Inst. Pharm. Chem., Univ. Graz, Graz, Austria
 SO Sci. Pharm. (1977), 45(1), 18-24
 CODEN: SCPHA4
 DT Journal
 LA German

L76 ANSWER 61 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 77091442 EMBASE
 TI Diazepam abuse: incidence, rapid screening, and confirming methods.
 AU Rejent T.A.; Wahl K.C.
 CS Erie County Labs, Div. Toxicol., E.J. Meyer Mem. Hosp., Buffalo,
 N.Y. 14215, United States
 SO CLIN.CHEM., (1976) 22/6 (889-891).
 CODEN: CLCHAU
 LA English

L76 ANSWER 62 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1978:110603 CAPLUS

DN 88:110603
 TI Analysis of combination drugs. 12. Determination of
 antipyretic analgesics
 AU Inoue, Tetsuo; Tachizawa, Masayoshi; Hashiba, Shigeko; Ishibashi,
 Namio
 CS Natl. Inst. Hyg. Sci., Tokyo, Japan
 SO Iyakuhin Kenkyu (1976), 7(1), 84-91
 CODEN: IYKEDH
 DT Journal
 LA Japanese

L76 ANSWER 63 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 11
 AN 1976:79771 CAPLUS

DN 84:79771
 TI Spectrophotometric determination of p-aminophenol alone or
 in the presence of acetaminophen
 AU Kalatzis, Evangelos; Zarbi, Irene
 CS Natl. Hell. Res. Found., Athens, Greece
 SO J. Pharm. Sci. (1976), 65(1), 71-5
 CODEN: JPMSAE
 DT Journal
 LA English

L76 ANSWER 64 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 12
 AN 1976:83897 CAPLUS

DN 84:83897
 TI Rapid and comprehensive system for the routine identification of
 drugs in biological material based on microphase extraction and drug
 color profiles
 AU Serfontein, Willem J.; Botha, Deo; De Villiers, Louis S.
 CS Univ. Pretoria, Pretoria, S. Afr.
 SO J. Chromatogr. (1975), 115(2), 507-18
 CODEN: JOCRAM
 DT Journal
 LA English

L76 ANSWER 65 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.

AN 76146546 EMBASE
 TI The degradation of paracetamol (4
 hydroxyacetanilide) and other substituted acetanilides by a
 Penicillium species.

AU Hart A.; Orr D.L.J.
 CS Sch. Pharm., Liverpool Polytechn., Liverpool, United Kingdom
 SO ANT.V.LEEUWENHOEK J.MICROBIOL., (1975) 41/3 (239-247).
 CODEN: ALJMAO
 LA English

L76 ANSWER 66 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1976:116472 CAPLUS
 DN 84:116472

TI Relevance of street drug analyses in the forensic
 laboratory to clinical toxicology of drug abuse
 AU Zabik, Joseph E.; Maickel, Roger P.
 CS Forensic Tech. Cent., Bloomington, Indiana, USA
 SO Drug Addict. (1974), 4, 203-17
 CODEN: DRADDU
 DT Journal
 LA English

L76 ANSWER 67 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1976:111746 CAPLUS
 DN 84:111746

TI Studies on the detection method devised for identifying
 the proscribed material found in the Chinese folk medicine. V.
 Detection of caffeine, methyltestosterone, and
 antipyretic-analgesics found in the folk medicine, Pu-Sen pills
 AU Wu, H. L.; Pan, T. C.
 CS Kaohsiung Med. Coll., Kaohsiung, Taiwan
 SO T'ai-wan Yao Hsueh Tsa Chih (1974), 26(1-2), 22-5
 CODEN: JTPHAO
 DT Journal
 LA Chinese

L76 ANSWER 68 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 13
 AN 1974:482454 CAPLUS
 DN 81:82454

TI Drug detection with color tests
 AU Fitzgerald, Thomas J.; Walaszek, Edward J.
 CS Med. Cent., Univ. Kansas, Kansas City, Kan., USA
 SO Clin. Toxicol. (1973), 6(4), 599-605
 CODEN: CTOXAO
 DT Journal
 LA English

L76 ANSWER 69 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 14
 AN 1973:474432 CAPLUS
 DN 79:74432

TI Emergency toxicological screening for drugs commonly taken in
 overdose
 AU Berry, D. J.; Grove, J.
 CS Poisons Unit, New Cross Hosp., London, Engl.
 SO J. Chromatogr. (1973), 80(2), 205-20
 CODEN: JOCRAM
 DT Journal
 LA English

L76 ANSWER 70 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1976:111747 CAPLUS
 DN 84:111747

TI Studies on the detection method devised for identifying
 the proscribed material found in the Chinese folk medicine. IV.
 Detection of the antipyretic-analgesics, and caffeine found
 in the folk medicine, Sun-Yao powder
 AU Wu, H. L.; Chen, E. H.
 CS Kaohsiung Med. Coll., Kaohsiung, Taiwan
 SO T'ai-wan Yao Hsueh Tsa Chih (1973), 25(1-2), 32-5
 CODEN: JTPHAO
 DT Journal
 LA Chinese

L76 ANSWER 71 OF 77 CAPLUS COPYRIGHT 1996 ACS
 AN 1970:83008 CAPLUS

DN 72:83008

TI Determination of paracetamol and aspirin in mixtures by
potentiometric titrimetry or by ultraviolet
spectrophotometry
AU Fogg, Arnold G.; Sausins, P. J.; Smithson, J. R.
CS Dep. Chem., Loughborough Univ. Technol., Loughborough, Engl.
SO Anal. Chim. Acta (1970), 49(2), 342-5
CODEN: ACACAM
DT Journal
LA English

L76 ANSWER 72 OF 77 MEDLINE

AN 71184029 MEDLINE

TI [Dosage in non aqueous solutions of acetanilide,
n-methylacetanilide, acetophenetidine and acetoaminophen].
Dosage en milieu non aqueux de l'acetanilide, de la
n-methylacetanilide, de l'acetophenetidine et de l'
acetaminophen.

AU Laurent O
SO JOURNAL DE PHARMACIE DE BELGIQUE, (1970 Mar-Apr) 25 (2) 157-9.
Journal code: JNB. ISSN: 0047-2166.
CY Belgium
DT Journal; Article; (JOURNAL ARTICLE)
LA French
EM 7108

L76 ANSWER 73 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1969:469040 CAPLUS

DN 71:69040

TI Detection of paracetamol in the urine following
the ingestion of therapeutic doses of phenacetin-containing
analgesics

AU Goenechea, Sabino
CS Inst. Gerichtl. Med., Univ. Bonn, Bonn, Ger.
SO Z. Klin. Chem. Klin. Biochem. (1969), 7(4), 346-49
CODEN: ZKCKAD
DT Journal
LA German

L76 ANSWER 74 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1968:446091 CAPLUS

DN 69:46091

TI Analysis of mixed pharmaceutical preparations. VII.
Spectrophotometric determination of phenylephrine
hydrochloride in pharmaceutical preparations

AU Tatsuzawa, Masayoshi; Shimoda, Michitoshi
CS Nat. Inst. Hyg. Sci., Tokyo, Japan
SO Bunseki Kagaku (1968), 17(5), 551-5
CODEN: BNSKAK
DT Journal
LA Japanese

L76 ANSWER 75 OF 77 MEDLINE

AN 68281663 MEDLINE

TI Chromatographic methods for analysis of the metabolites of
acetophenetidin (phenacetin).

AU Klutch A; Bordun M
SO JOURNAL OF PHARMACEUTICAL SCIENCES, (1968 Mar) 57 (3) 524-6.
Journal code: JO7. ISSN: 0022-3549.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 6809

L76 ANSWER 76 OF 77 CAPLUS COPYRIGHT 1996 ACS

AN 1968:430131 CAPLUS

DN 69:30131

TI Studies on the analysis of mixed pharmaceutical
preparations. VI. Spectrophotometric determination of
phenylephrine hydrochloride in pharmaceutical preparations

AU Tatsuzawa, Masayoshi; Hashiba, Shigeko
CS Nat. Inst. Hyg. Sci., Tokyo, Japan
SO Bunseki Kagaku (1968), 17(4), 478-82
CODEN: BNSKAK
DT Journal
LA Japanese

L76 ANSWER 77 OF 77 MEDLINE

AN 67205860 MEDLINE

TI A kinetic study of drug elimination: the excretion of
paracetamol and its metabolites in man.

AU Cummings A J; King M L; Martin B K

SO BRITISH JOURNAL OF PHARMACOLOGY, (1967 Feb) 29 (2) 150-7.

Journal code: B00. ISSN: 0007-1188.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 6711